



optoelectronics principles and techniques

By ZHANG ZHONG HUA

paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 447 Publisher: Beijing Aerospace University Press Pub. Date: 2009-10. light amplification and oscillation about the basic principles (ie. the basic principles of laser). and some of the applied technology. Specific content: light amplification and oscillation. optical resonator. a typical laser. laser basic technology. laser semi-classical theory and quantum theory. nonlinear optical effects. optical fiber technology. optical storage technology. photonics technology. and other applications optical signal detection and so on. This book can be used as electronic science and engineering colleges of higher professional Optoelectronics principle or Laser Theory materials. but also for other related professional and technical personnel of the reference. Contents: Chapter 1 Basics of wave-particle duality of light 1.1 1.2 1.3 model light-emitting 1.3.1 with the quantum energy levels of the atomic energy levels 1.3.2 1.4 distribution of the number of atomic energy levels by spontaneous emission. stimulated absorption and stimulated emission 1.4.1 1.4.2 atomic spontaneous emission of atoms excited atoms absorb 1.4.3 Stimulated emission 1.4.4a21. b21 and b12 three Coefficient 1.5 1.5.1 atomic spectral lines broadening transition line broadening of the line broadening mechanism and...



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